

FILE NOTATIONS

Entered in NID File
Location Map Pinned
Card Indexed

Checked by Chief
Approval Letter
Disapproval Letter

P.W.B..
4-26-72

COMPLETION DATA:

Date Well Completed
W..... WW..... TA.....
JW..... OS..... PA.....

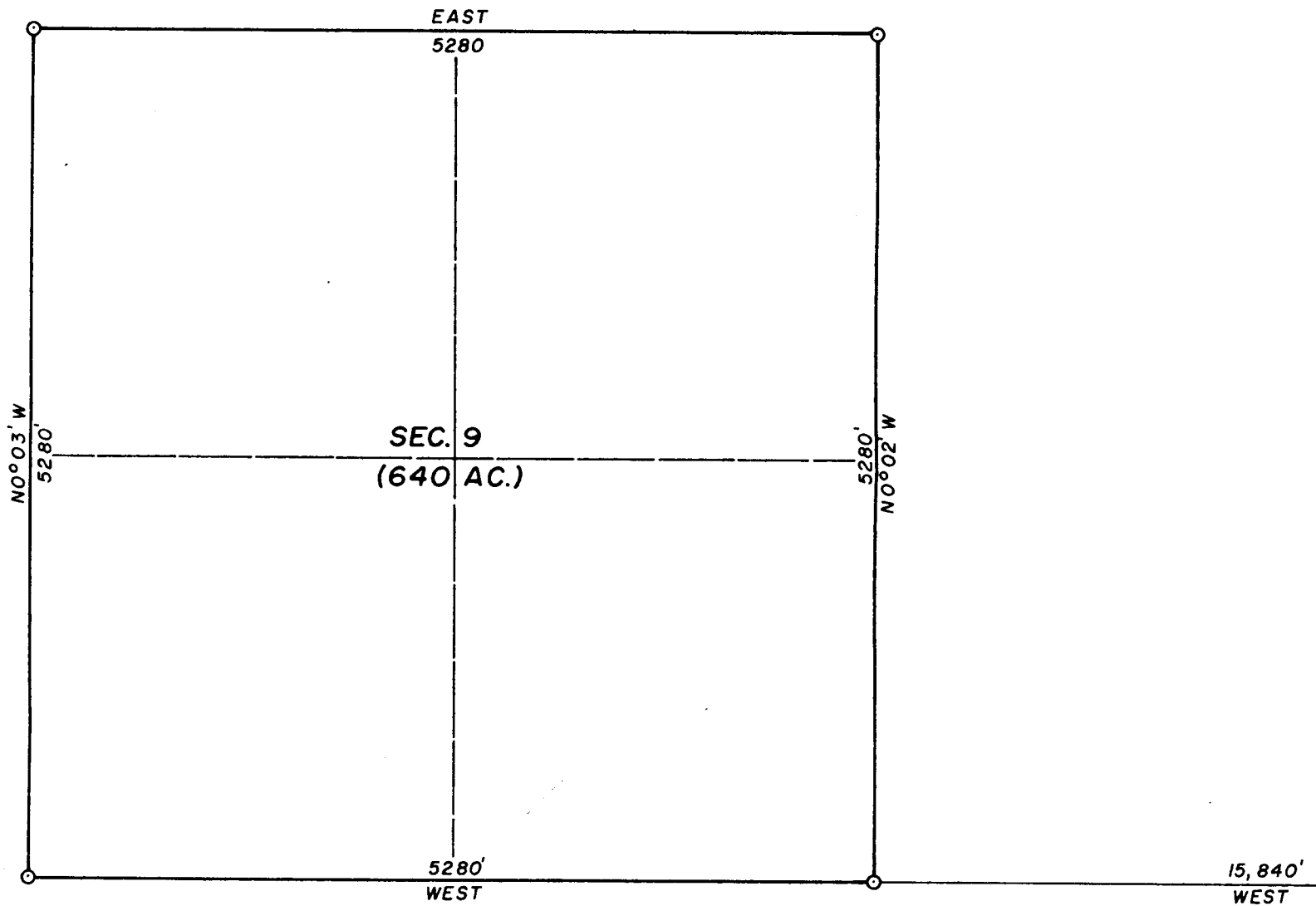
Location Inspected
Bond released
State or Fee Land

LOGS FILED

Driller's Log.....
Electric Logs (No.)
E..... I..... Dual I Lat..... GR-N..... Micro.....
BHC Sonic GR..... Lat..... Mi-L..... Sonic.....
CBLLog..... CCLog..... Others.....

R-20-E

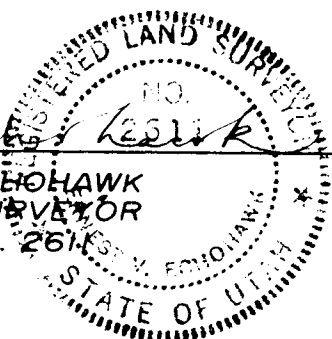
T-42-S

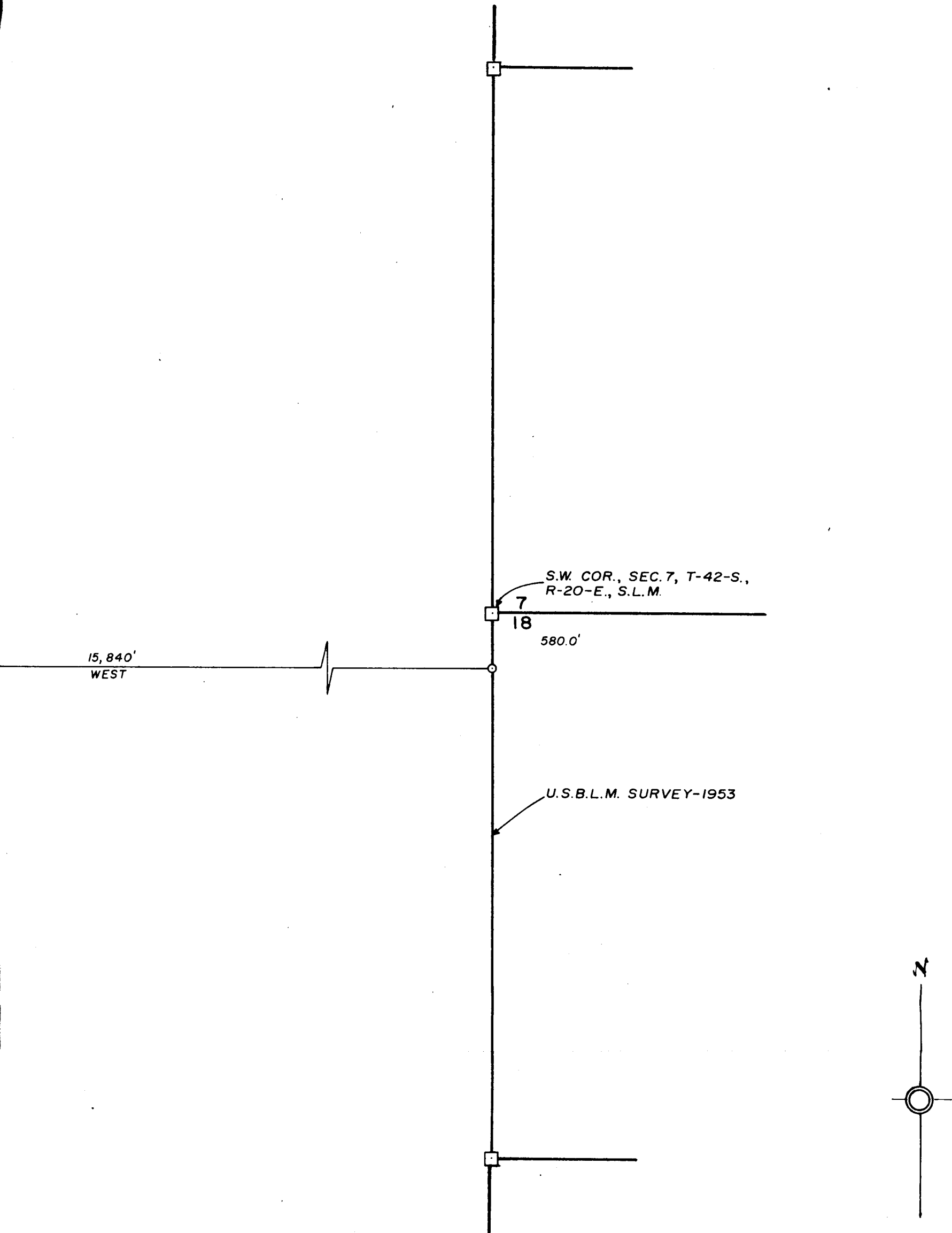


U.S. BUREAU OF LAND MANAGEMENT PROTRACTION
DIAGRAM NO. 49, AREA 2, AND APPROVED MARCH 7, 1961
WAS USED AS A GUIDE FOR THE SURVEY SHOWN.

SURVEYED BY;

ERNEST V. ECHOHAWK
REG. LAND SURVEYOR
UTAH REG. NO. 261





CITIES SERVICE OIL CO.

SURVEY OF NAVAJO TRIBAL LEASE, CONTRACT
NO. N00-C-14-20-2996, COMPRISED OF ALL
SECTION 9, T-42-S, R-20-E, S.L.M., SAN JUAN
COUNTY, UTAH.

APRIL, 1972

SCALE: 1"=1,000'

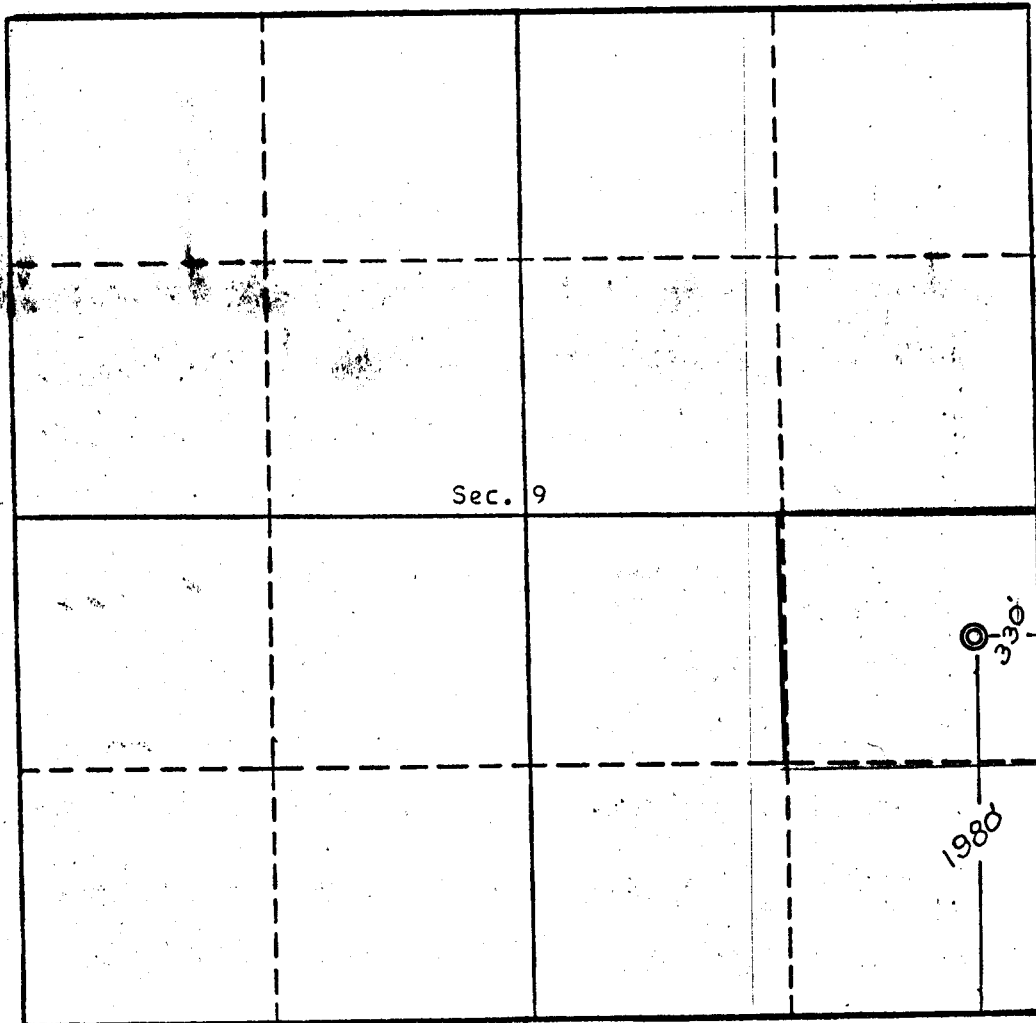
Company CITIES SERVICE OIL COMPANY

Well Name & No. Nava jo "E" No. 1

Location 1980 feet from the South line and 330 feet from the East line.

Sec. 9, T. 42 S., R. 20 E., S. L. M., County San Juan, Utah

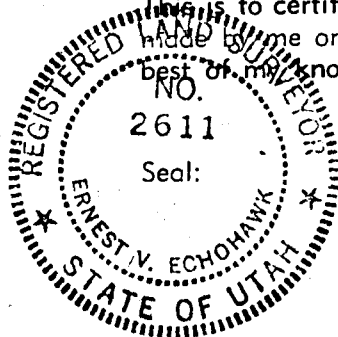
Ground Elevation 4730 ✓



Scale, 1 inch = 1,000 feet

Surveyed April 13, 1972

This is to certify that the above plat was prepared from field notes of actual surveys made by me or under my supervision and that the same are true and correct to the best of my knowledge and belief.



Seal:

Ernest V. Echohawk
Ernest V. Echohawk
Registered Land Surveyor
Utah Registration No. 2611

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. TYPE OF WORK

DRILL ☒DEEPEN ☐PLUG BACK ☐

b. TYPE OF WELL

OIL
WELL ☒GAS
WELL ☐

OTHER

SINGLE
ZONE ☐MULTIPLE
ZONE ☐

2. NAME OF OPERATOR

CITIES SERVICE OIL COMPANY

3. ADDRESS OF OPERATOR

P.O. Box 69, Hobbs, N.M. 88240

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.*)

At surface

1980' FSL and 330' FEL Sec. 9-T42S-R20E, San Juan County
Utah.

At proposed prod. zone

same

MENESE

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE*

Approx 22 miles Southwest of Bluff, Utah

15. DISTANCE FROM PROPOSED*

330'

LOCATION TO NEAREST
PROPERTY OR LEASE LINE, FT.
(Also to nearest drlg. line, if any)

16. NO. OF ACRES IN LEASE

640

17. NO. OF ACRES ASSIGNED
TO THIS WELL

40

18. DISTANCE FROM PROPOSED LOCATION*

TO NEAREST WELL, DRILLING, COMPLETED,
OR APPLIED FOR, ON THIS LEASE, FT.

First Well

19. PROPOSED DEPTH

5500

20. ROTARY OR CABLE TOOLS

Rotary

21. ELEVATIONS (Show whether DF, RT, GR, etc.)

Est. 4730' GR

22. APPROX. DATE WORK WILL START*

5-1-72

23.

PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
17"	13 3/8	48#	125	Circulate
11"	8 5/8	24#	900	Circulate
7 7/8"	5 1/2	14#	5500	250 sacks

It is proposed to drill to a total depth of 5500' and attempt completion in the
Barker Creek Dolomite.

The blow out prevention program is as follows:

1. One set of blind rams.
2. One set of drill pipe rams.

IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: If proposal is to deepen or plug back
zone. If proposal is to drill or deepen directionally, give pertinent data on subs
prevention program, if any.

Give data on present productive zone and proposed new productive
locations and measured and true vertical depths. Give blowout

24.

SIGNED

TITLE

Dist. Admin. Supervisor

DATE

4-18-72

(This space for Federal or State office use)

PERMIT NO.

43-037-3079

APPROVAL DATE

APPROVED BY

TITLE

DATE

CONDITIONS OF APPROVAL, IF ANY:

*See Instructions On Reverse Side

Verbal Approval
4-24-72 CB-7



CITIES SERVICE OIL COMPANY

Box 69
Hobbs, New Mexico 88240
Telephone: 505 EX 3-2177

April 18, 1972

State of Utah
Oil and Gas Conservation Commission
1588 West North Temple
Salt Lake City, Utah 84116

Attn: Mr. C. B. Feight

Gentlemen:

Attached is Cities Service Oil Company's Application to Drill the Navajo "E" No. 1, located 1980' FSL, and 330' FEL, Section 9-42S-20E, San Juan County, Utah.

As outlined in Rule C-3 "General Well Spacing Requirements" of the Rules and Regulations of the Board of Oil and Gas Conservation of the State of Utah, this is an unorthodox location since it is less than 500' from the nearest property line.

Cities Service Oil Company requests an exemption to Rule C-3, without notice and hearing, as outlined in paragraph (c) of the rule, based on the following facts:

(1) The necessity for an unorthodox location is based on topographical conditions. The requested location, 1980' FSL and 330' FEL of Section 9-42S-20E, falls on a fairly level sandstone mesa. It is possible to drill this location without excessive and expensive blasting and levelling. An orthodox location would require exorbitant expense to prepare for drilling.

(2) Quoting from paragraph (c), subparagraph (2) of Rule C-3, "The ownership of all oil and gas leases within a radius of 660 feet of the proposed location is common with the ownership of the oil and gas leases under the proposed location,--"

The requirements of this rule are exceeded since Cities Service Oil Company owns the oil and gas lease on Section 9, and the sections surrounding Section 9 on all four sides and corners.

Your approval of this unorthodox location is respectfully requested.

Yours very truly,

CITIES SERVICE OIL COMPANY

E. Y. Wilder
District Manager

EYW/ed

Attachments

April 26, 1972

Cities Service Oil Company
Box 69
Hobbs, New Mexico 88240

Re: Well No. Navajo "E" #1
Sec. 9, T. 42 S, R. 20 E,
San Juan County, Utah

Gentlemen:

Insofar as this office is concerned, approval to drill the above referred to well is hereby granted in accordance with Rule C-3, General Rules and Regulations and Rules of Practice and Procedure.

Should you determine that it will be necessary to plug and abandon this well, you are hereby requested to immediately notify the following:

PAUL W. BURCHELL - Chief Petroleum Engineer
HOME: 277-2890
OFFICE: 328-5771

Enclosed please find Form OGC-8-X, which is to be completed whether or not water sands (aquifers) are encountered during drilling.

The API number assigned to this well is 43-037-30079.

Very truly yours,

DIVISION OF OIL & GAS CONSERVATION

CLEON B. FEIGHT
DIRECTOR

CBF:sd
cc: U.S. Geological Survey

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEYSUBMIT IN TRIPLICATE
(Other instructions on reverse side)Form approved.
Budget Bureau No. 42-R1424
5. LEASE DESIGNATION AND SERIAL NO.

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir.
Use "APPLICATION FOR PERMIT—" for such proposals.)

1. OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input type="checkbox"/>	7. UNIT AGREEMENT NAME Contract # N00-G-14-20-2996
2. NAME OF OPERATOR CITIES SERVICE OIL COMPANY	8. FARM OR LEASE NAME Navajo E
3. ADDRESS OF OPERATOR P.O. Box 69, Hobbs, N.M. 88240	9. WELL NO. 1
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.* See also space 17 below.) At surface 1980' FSL & 330' FEL Sec 9-T42S-R20E, San Juan Co. Utah	10. FIELD AND POOL, OR WILDCAT Wildcat
11. SEC., T., R., M. OR BLK. AND SURVEY OR AREA Sec 9-42S-20E	12. COUNTY OR PARISH San Juan
13. STATE Utah	
14. PERMIT NO.	15. ELEVATIONS (Show whether DF, RT, GR, etc.) 4730 GR

16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:

TEST WATER SHUT-OFF

FRACTURE TREAT

SHOOT OR ACIDIZE

REPAIR WELL

(Other)

PULL OR ALTER CASING

MULTIPLE COMPLETE

ABANDON*

CHANGE PLANS

SUBSEQUENT REPORT OF:

WATER SHUT-OFF

FRACTURE TREATMENT

SHOOTING OR ACIDIZING

(Other)

REPAIRING WELL

ALTERING CASING

ABANDONMENT

Monthly Report

(NOTE: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

Spudded 12 1/2" hole at 9 P.M. 5-9-72 and drilled to T.D. 149'. Reamed 12 1/2" hole to 149'. Ran 4 joints (132') 13 3/8" OD 48 pound, ST&C H-40 casing. Set at 147' and cemented with 150 sac Class A W/3% Calcium Chloride. Plug down at 1:50 P.M. 5-10-72. Cement circulated. WOC 12 hours. Installed BOP and tested casing to 800 psi for 30 min. Held okay. Drilled plug at 2 A.M. 5-11-72. Drilled 11" hole to TD 950'. Ran 929' 8 5/8" OD 24 pound K-55 ST&C casing. Set at 947 and cemented with 150 sac Halliburton Light with 1/4 pound Flocele and 3% calcium chloride, followed by 100 sac Class H W/2% calcium chloride. Plug down at 2 A.M. 5-12-72. Cement circulated. WOC 24 hours. Installed BOP and tested casing to 1000 psi for 30 minutes. Held okay. Drilled plug at 2:30 A.M. 5-13-72. Drilling ahead.

18. I hereby certify that the foregoing is true and correct

SIGNED

TITLE

Dist. Admin. Supervisor

DATE

May 15, 1972

(This space for Federal or State office use)

APPROVED BY

TITLE

DATE

CONDITIONS OF APPROVAL, IF ANY:

FORM OGC-8-X
FILE IN QUADRUPLICATE

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL & GAS CONSERVATION
1588 West North Temple
Salt Lake City, Utah 84116

REPORT OF WATER ENCOUNTERED DURING DRILLING

Well Name & Number Navajo E #1
Operator CITIES SERVICE OIL CO. Address P.O. Box 69, Hobbs, NM Phone 393-2177
Contractor _____ Address _____ Phone _____
Location NE 1/4 SE 1/4 Sec. 9 T. 42S N R. 20E E San Juan County, Utah.
S W

Water Sands:

<u>Depth:</u>	<u>Volume:</u>	<u>Quality:</u>
From- To-	Flow Rate or Head-	Fresh or Salty-
1. <u>See Drill Stem Test #3 Attached.</u>	_____	_____
2. _____	_____	_____
3. _____	_____	_____
4. _____	_____	_____
5. _____	_____	_____

(Continue on reverse side if necessary)

Formation Tops:

Remarks:

- NOTE: (a) Upon diminishing supply of forms, please inform this office.
(b) Report on this form as provided for in Rule C-20, General Rules and Regulations and Rules of Practice and Procedure, (See back of this form)
(c) If a water analysis has been made of the above reported zone, please forward a copy along with this form.

CITIES SERVICE OIL COMPANY -- Navajo E No. 1

- DST #1: 4710-4805 Lower Ismay and Upper Desert Creek drilling break @ 4719-4725 (10 units on gas detector) drilling break 4798--4803 (no increase in gas counts). Opened DST tool on 15 min. pre flow @ 6:10 A.M. with 3/4" bottom and 3/4" top chokes. Weak blow dead in 10 min. Shut tool in for first build-up. Opened tool @ 6:10 A.M. for 15 min. pre flow with very weak blow dead in 10 min. Close tool @ 6:25 A.M. for 30 min. ICIP. Open tool @ 6:55 A.M. for 60 min. flow period. Weak blow 12 min. died in 12 min. Close tool @ 7:55 A.M. for 60 min FCIP. Pulled tool loose @ 8:55 A.M. BHT 104^o, IHH 2313 psi 15 min pre flow IFP 3052, FFP 2922, 30 min ICIP 2965, 60 min flow period IFP 110, FFP 110, 60 min FCIP 2465, FHH 2313 psi.
- DST #2: 5285-5310 (25') Barker Creek. No water cushion, 3/4" bottom choke, 3/4" top choke. Tool opened for 15 minute preflow at 2:20 P.M. 5-31-72 with slight blow. Closed tool for 30 minutes. ISIP then reopened for 60 min test period with slight blow. Closed tool for 60 min FSIP then pulled test tool. Preflow IFP 44 psi, Preflow FFP 44 psi, 30 min ISIP 1831 psi, Test period IFP 44 psi, Test period FFP 44 psi, 60 min FSIP 1787 psi, MCP in and out 2566 psi, BHT 111 F
- DST #3: 5390--5540 (150') Lower Barker Creek. No water cushion, 3/4" bottom choke, 3/4" top choke. Tool opened for 15 min preflow at 3:05 P.M. 6-2-72 with weak blow increasing to good blow. Closed tool for 30 min ISIP, then reopened for 60 min test period. No gas to surface. No surface pressure. Closed tool for 60 min FSIP then pulled test tool. Recovered 618' of water cut drilling mud and 1595' of salt water. No oil. No gas. Preflow IFP 132 psi, Preflow FFP 494 psi, 30 min ISIP 1922 psi, Test Period IFP 527 psi, Test Period FFP 1011 psi, 60 min FSIP 1878 psi, MCP in and out 2704 psi, BHT 112^oF.

✓ Mike Daniels - City Service

Har E-1

Sec 9 T42S R20E

T.D. - 5700 - Min.

USGS - ① 5400 to T.D. - across Molas

② 4000 to 4450 - bottom of Nemo.

③ 3900 to 3950 - Seal off top of Nemo (3824)

947 to 3950

④ $\frac{1}{2}$ mi $\frac{1}{2}$ and $8\frac{5}{8}$ Coring rd 947'

⑤ 10th / marker / Cer mud (Good)

dis chills
evidence

6/5/0872

PMB

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEYSUBMIT IN TRIPLICATE*
(Other instructions on reverse side)Form approved.
Budget Bureau No. 42-R1424.

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir.
Use "APPLICATION FOR PERMIT—" for such proposals.)

1. OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input type="checkbox"/>		5. LEASE DESIGNATION AND SERIAL NO.
2. NAME OF OPERATOR CITIES SERVICE OIL COMPANY		6. IF INDIAN, ALLOTTEE OR TRIBE NAME Navajo
3. ADDRESS OF OPERATOR P.O. Box 69, Hobbs, New Mexico 88240		7. UNIT AGREEMENT NAME Contract # N00-C-14-20-2996
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.* See also space 17 below.) At surface 1980 FSL & 330 FEL Sec 9-T42S-R20E, San Juan County, Utah		8. FARM OR LEASE NAME Navajo E
14. PERMIT NO.		9. WELL NO. 1
15. ELEVATIONS (Show whether DF, RT, GR, etc.) 4730 GR		10. FIELD AND POOL, OR WILDCAT Wildcat
		11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA Sec. 9-42S-20E
		12. COUNTY OR PARISH San Juan
		13. STATE Utah

16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:

TEST WATER SHUT-OFF

FRACTURE TREAT

SHOOT OR ACIDIZE

REPAIR WELL

(Other)

PULL OR ALTER CASING

MULTIPLE COMPLETE

ABANDON*

CHANGE PLANS

SUBSEQUENT REPORT OF:

WATER SHUT-OFF

FRACTURE TREATMENT

SHOOTING OR ACIDIZING

(Other)

REPAIRING WELL

ALTERING CASING

ABANDONMENT*

(NOTE: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

TD 5700' Molas. The above well was plugged and abandoned on 6-5-72 in the following manner pursuant to verbal instructions from Messrs. M. L. Seelinger-- USGS, Paul Burchell-- State of Utah, Art Hubbard--Navajo Nation.

1. Displaced 100 sack plug from TD 5700--5400
2. Displaced 50 sack plug from 4600--4450
3. Displaced 50 sack plug from 3900--3750
4. Displaced 50 sack plug from 1950--1800
5. Displaced 50 sack plug $\frac{1}{2}$ in and $\frac{1}{2}$ out of 8 5/8" casing shoe 1020--870
6. Capped with 10 sack plug in top of 8 5/8" from bottom of cellar to 30'
7. Reclaimed wellhead and installed 4" dry hole marker.

18. I hereby certify that the foregoing is true and correct

SIGNED

TITLE

Dist. Admin. Supervisor

DATE

June 7, 1972

(This space for Federal or State office use)

APPROVED BY

TITLE

DATE

CONDITIONS OF APPROVAL, IF ANY:

*See Instructions on Reverse Side

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SUBMIT IN DUP. 1*

(See other in-
structions on
reverse side)Form approved.
Budget Bureau No. 42-R355.6.

5. LEASE DESIGNATION AND SERIAL NO.

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

Navajo

7. UNIT AGREEMENT NAME

Contract # 800-C-14-20-2996

8. FARM OR LEASE NAME

Navajo E

9. WELL NO.

1

10. FIELD AND POOL, OR WILDCAT

Wildcat

11. SEC., T., R., M., OR BLOCK AND SURVEY
OR AREA

Sec. 9-425-20E

12. COUNTY OR
PARISH

San Juan

13. STATE

Utah

1a. TYPE OF WELL:

OIL

WELL ☐

GAS

WELL ☐DRY ☒

Other

b. TYPE OF COMPLETION:

NEW

WELL ☐

WORK

OVER ☐

DEEP-

EN ☐

PLUG

BACK ☐

DIFF.

RESVR. ☐

Other

P & A

2. NAME OF OPERATOR

CITIES SERVICE OIL COMPANY

3. ADDRESS OF OPERATOR

P.O. Box 69, Hobbs, N.M. 88240

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)*

At surface 1920 FSL & 330 FEL Sec 9-425-20E, San Juan Co. Utah

At top prod. interval reported below

At total depth Same

14. PERMIT NO.

DATE ISSUED

15. DATE SPUDDED

5-9-72

16. DATE T.D. REACHED

6-4-72

17. DATE COMPL. (Ready to prod.)

P & A 6-5-72

18. ELEVATIONS (DF, REB, RT, GR, ETC.)*

4730 GR

19. ELEV. CASINGHEAD

4732

20. TOTAL DEPTH, MD & TVD

5700'

21. PLUG, BACK T.D., MD & TVD

-

22. IF MULTIPLE COMPL.,

HOW MANY*

23. INTERVALS

DRILLED BY

ROTARY TOOLS

0-5700'

CABLE TOOLS

24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)*

25. WAS DIRECTIONAL
SURVEY MADE

No

26. TYPE ELECTRIC AND OTHER LOGS RUN

BHC-Sonic-GR-Cal, SNP-Cal, OIL-SP, NL-Prox-Cal Logs

27. WAS WELL CORED

No

28. CASING RECORD (Report all strings set in well)

CASING SIZE	WEIGHT, LB./FT.	DEPTH SET (MD)	HOLE SIZE	CEMENTING RECORD	AMOUNT PULLED
13 3/8"	48#	147'	17 1/2"	150 sax - Circulated	None
8 5/8"	24#	347'	11"	250 sax - Circulated	None

29. LINER RECORD

SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)

31. PERFORATION RECORD (Interval, size and number)

None

32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.

DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED

33.* PRODUCTION

DATE FIRST PRODUCTION		PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump)				WELL STATUS (Producing or shut-in)		
DATE OF TEST		HOURS TESTED	CHOKE SIZE	PROD'N. FOR TEST PERIOD →	OIL—BBL.	GAS—MCF.	WATER—BBL.	GAS-OIL RATIO
FLOW. TUBING PRESS.		CASING PRESSURE	CALCULATED 24-HOUR RATE →	OIL—BBL.	GAS—MCF.	WATER—BBL.	OIL GRAVITY-APT (CORR.)	

34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.)

TEST WITNESSED BY

35. LIST OF ATTACHMENTS

Above logs mailed to Utah Oil & Gas Conservation Comm. & USGS By Schlumberger.

36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records

SIGNED

TITLE

District Admin. Supervisor

DATE

June 7, 1972

*(See Instructions and Spaces for Additional Data on Reverse Side)

INSTRUCTIONS

General: This form is designed for submitting a complete and correct well completion report and log on all types of lands and leases to either a Federal agency or a State agency, or both, pursuant to applicable Federal and/or State laws and regulations. Any necessary special instructions concerning the use of this form and the number of copies to be submitted, particularly with regard to local, area, or regional procedures and practices, either are shown below or will be issued by, or may be obtained from, the local Federal and/or State office. See instructions on items 22 and 24, and 33, below regarding separate reports for separate completions.

If not filed prior to the time this summary record is submitted, copies of all currently available logs (drillers' geologists, sample and core analysis, all types electric, etc.), formation and pressure tests, and directional surveys, should be attached hereto, to the extent required by applicable Federal and/or State laws and regulations. All attachments should be listed on this form, see item 35.

Item 4: If there are no applicable State requirements, locations on Federal or Indian land should be described in accordance with Federal requirements. Consult local State or Federal office for specific instructions.

Item 18: Indicate which elevation is used as reference (where not otherwise shown) for depth measurements given in other spaces on this form and in any attachments. **Items 22 and 24:** If this well is completed for separate production from more than one interval zone (multiple completion), so state in item 22, and in item 24 show the producing interval, or intervals, top(s), bottom(s) and name(s) (if any) for only the interval reported in item 33. Submit a separate report (page) on this form, adequately identified, for each additional interval to be separately produced, showing the additional data pertinent to such interval.

Item 29: "Sacks Cement": Attached supplemental records for this well should show the details of any multiple stage cementing and the location of the cementing tool.

Item 33: Submit a separate completion report on this form for each interval to be separately produced. (See instruction for items 22 and 24 above.)

FORMATION		TOP	BOTTOM	DESCRIPTION, CONTENTS, ETC.		GEOLOGIC MARKERS	
						NAME	MEAS. DEPTH
<p>37. SUMMARY OF POROUS ZONES: SHOW ALL IMPORTANT ZONES OF POROSITY AND CONTENTS THEREOF: CORED INTERVALS; AND ALL DRILL-STEM TESTS, INCLUDING DEPTH INTERVAL TESTED, CUSHION USED, TIME TOOL OPEN, FLOWING AND SHUT-IN PRESSURES, AND RECOVERIES</p> <p>Drill Stem Tests -- See Attached.</p>						De Chelly	1370
						Organ Rock	2106
						Hethosa	3324
						Isamay	4650
						Desert Creek	4780
						Almah	4978
						Barker Creek	5154
						Pinkerton Trail	5352
						Moles	5573

SUN 12-15-71

CITIES SERVICE OIL COMPANY -- Navajo E No. 1

- DST #1: 4710-4805 Lower Ismay and Upper Desert Creek drilling break @ 4719-4725 (10 units on gas detector) drilling break 4798--4803 (no increase in gas counts). Opened DST tool on 15 min. pre flow @ 6:10 A.M. with 3/4" bottom and 3/4" top chokes. Weak blow dead in 10 min. Shut tool in for first build-up. Opened tool @ 6:10 A.M. for 15 min. pre flow with very weak blow dead in 10 min. Close tool @ 6:25 A.M. for 30 min. ICIP. Open tool @ 6:55 A.M. for 60 min. flow period. Weak blow 12 min. died in 12 min. Close tool @ 7:55 A.M. for 60 min FCIP. Pulled tool loose @ 8:55 A.M. BHT 104°, IHH 2313 psi 15 min pre flow IFP 3052, FFP 2982, 30 min ICIP 2965, 60 min flow period IFP 110, FFP 110, 60 min FCIP 2465, FHH 2313 psi.
- DST #2: 5285-5310 (25') Barker Creek. No water cushion, 3/4" bottom choke, 3/4" top choke. Tool opened for 15 minute preflow at 2:20 P.M. 5-31-72 with slight blow. Closed tool for 30 minutes. ISIP then reopened for 60 min test period with slight blow. Closed tool for 60 min FSIP then pulled test tool. Preflow IFP 44 psi, Preflow FFP 44 psi, 30 min ISIP 1831 psi, Test period IFP 44 psi, Test period FFP 44 psi, 60 min FSIP 1787 psi, MCP in and out 2566 psi, BHT 111 F
- DST #3: 5390--5540 (150') Lower Barker Creek. No water cushion, 3/4" bottom choke, 3/4" top choke. Tool opened for 15 min preflow at 3:05 P.M. 6-2-72 with weak blow increasing to good blow. Closed tool for 30 min ISIP, then reopened for 60 min test period. No gas to surface. No surface pressure. Closed tool for 60 min FSIP then pulled test tool. Recovered 618' of water cut drilling mud and 1595' of salt water. No oil. No gas. Preflow IFP 132 psi, Preflow FFP 494 psi, 30 min ISIP 1922 psi, Test Period IFP 527 psi, Test Period FFP 1011 psi, 60 min FSIP 1878 psi, MCP in and out 2704 psi, BHT 112°F.

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